

ABSTRACT OF THE DISCLOSURE:

Mechanisms, in a transmission channel shared by 802.11 systems and HIPERLAN/2 systems are provided to prevent 802.11 terminals from transmitting during time periods allocated to HIPERLAN, so that a single channel can be shared between the two standards. In a particular embodiment, a "super frame" format is used where HIPERLAN transmissions are offered the highest level of protection possible within 802.11, which is needed within the 802.11 Contention Free Period (CFP).